

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	227	717/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:47
L2	4	717/176.ccls. and (medical or "picture archiving" or pacs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:49
L4	436	714/37.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:50
L5	11	714/37.ccls. and (medical or "picture archiving" or pacs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:52
L8	4259	709/224.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:53
L9	115	709/224.ccls. and (medical or "picture archiving" or pacs)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:54
L10	100	709/224.ccls. and (medical or "picture archiving" or pacs) and (install\$5 or updat\$3 or upgrad\$3 or patch\$3 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/03 08:54
S1	6	("6178225" "6094531" "6321348").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 13:24
S2	1061	709/227.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:11

S3	395	709/221.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/21 17:07
S4	248	709/222.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/21 17:07
S5	1408	709/217.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/21 17:07
S6	81	380/231.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/21 17:08
S7	35	380/232.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:39
S8	511	713/202.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:38
S9	47	717/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/21 17:09
S10	46	717/176.ccls. and (install or update or logon or authenticate or success or message or log or image or error or retrieve or Internet or connect\$3 or remote or terminal or workstations or simultaneous)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:01
S11	154	(install or update) and (logon or log or authenticate or sign) and success\$3 and (message or signal) and log and image and error and retrieve and Internet and connect\$3 and remote and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:00

S12	780	PACS or "picture archiving communication system"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 15:55
S13	46	717/176.ccls. and (install or update or logon or authenticate or success or message or log or image or error or retrieve or Internet or connect\$3 or remote or terminal or workstations or simultaneous)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:01
S14	117	(PACS or "picture archiving communication system") and (install or update)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:06
S15	29	(PACS or "picture archiving communication system") and (install or update) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:02
S16	43	(PACS or "picture archiving communication system") and (install or update) and network and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:27
S17	2	(PACS or "picture archiving communication system") and ((install or update) near5 software) and network and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:21
S18	0	((install or update) and (logon or log or authenticate or sign) and success\$3 and (message or signal) and log and image and error and retrieve and Internet and connect\$3 and remote and simultaneous) and (PACS or "picture archiving communication system")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:27
S19	1020	extract near3 (image) and analysis	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:28
S20	186	(extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:16

S21	62	(extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network and log\$4 and Internet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:32
S22	55	(extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network and log\$4 and Internet and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:32
S23	513	713/202.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:38
S24	27	713/202.ccls. and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:38
S25	12	380/232.ccls. and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:39
S26	27	380/231.ccls. and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:40
S27	92	709/227.ccls. and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:41
S28	92	709/227.ccls. and picture	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:41
S29	45	709/227.ccls. and picture and (update or install)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:42
S30	15	709/221.ccls. and picture and (update or install)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:45

S31	7	709/222.ccls. and picture and (update or install)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:45
S32	7	709/222.ccls. and picture and (update or download or install)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:46
S33	122	709/217.ccls. and picture and (update or download or install)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 14:54
S34	0	717/168,169,170,171,172,173, 174,175,176,177,178.ccls. and PACS and (picture or image) and Internet and log\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/22 14:57
S35	0	717/168,169,170,171,172,173, 174,175,176,177,178.ccls. and PACS and (picture or image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/22 14:59
S36	33	717/168,169,170,171,172,173, 174,175,176,177,178.ccls. and (log adj file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/22 14:59
S37	3	717/168,169,170,171,172,173, 174,175,176,177,178.ccls. and (log adj file) and (image adj file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/22 14:59
S38	768	PACS or "picture archiving communication system" and (updat\$3 or upload\$3 or upgrad\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 16:00
S39	249	(PACS or "picture archiving communication system") and (updat\$3 or upload\$3 or upgrad\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/08/22 16:00
S40	7792	PACS or PAC or (picture adj archiv\$3) or ((picture adj archiving) adj communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/01/22 09:24

S41	7732	PACS or PAC or ((picture adj archiving) adj communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/01/22 09:25
S42	130	((picture adj archiving) adj communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/01/22 09:25
S43	4666	(medical and imag\$3) and (upgrad\$3 or download\$3 or updat\$3) and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/05 16:40
S44	32	(medical and imag\$3) and (upgrad\$3 or download\$3 or updat\$3) and network and "717"/.clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/05 16:40
S45	4	(medical and imag\$3) and (upgrad\$3 or download\$3 or updat\$3) and network and ("717"/.16?.ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/05 16:44
S46	860	(medical adj imag\$3) and (upgrad\$3 or download\$3 or updat\$3) and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/05 17:06
S47	23	(medical adj imag\$3) and (upgrad\$3 or download\$3 or updat\$3) and network and remote and (error near5 correct\$3) and log	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/05 17:08
S48	0	remote adj (error adj correct\$3) and (picture or imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 13:32
S49	4153	"714"/.clas. and (picture or imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 13:33
S50	927	"714"/.clas. and (picture or imag\$3) and remote	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 13:33

S51	41	"714"/.clas. and (picture or imag\$3) and remote and medical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 13:33
S52	13	"714"/.clas. and (picture or imag\$3) and remote and medical and log	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 15:09
S53	11	"714"/.clas. and (picture or imag\$3) and remote and medical and log and (download\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 15:26
S54	10	"714"/.clas. and (picture or imag\$3) and remote near3 correct\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 15:35
S55	64	"714"/.clas. and remote near3 correct\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 15:35
S56	2	"714"/.clas. and remote near3 correct\$3 and (medical\$2 or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:39
S57	32	"714"/.clas. and (remot\$2 near3 correct\$3) and (error adj correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 15:41
S58	21	"714"/.clas. and (remot\$2 near3 correct\$3) and (error adj correct\$3) and (download\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:04
S59	1390526	"6178225".pn. (install\$3 or updat\$3 or upgrad\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:05
S60	1	"6178225".pn. and (install\$3 or updat\$3 or upgrad\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:30

S61	2	"6396266".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:33
S62	0	"6396266".pn. and remote	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:33
S63	1	"6331776".pn. and remote	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:34
S64	17	("4830012" "5280428" "5345176" "5451876" "5498963" "5512826" "5514962" "5541513" "5560361" "5657757" "5711300" "5749834" "5810729" "6023635" "6108573" "6166544" "6275035").PN.	USPAT	OR	OFF	2003/06/09 16:35
S65	0	"714"/.clas. and remote near3 callibrat\$3 and (medical\$2 or medicine)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:40
S66	0	"714"/.clas. and remote near3 callibrat\$3 and (imag\$3 or photo or data or file)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:40
S67	0	"714"/.clas. and remote near3 callibrat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:41
S68	0	7??/.clas. and remote near3 callibrat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:41
S69	1	"6492812".pn. and log	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/09 16:52

S70	9	("5307354" "6260021" "6492812" "6574629" "6474742").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/10 09:40
S71	8	("5307354" "6260021" "6492812" "6574629" "6574742").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/10 09:40
S72	2	"6466941".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/10 16:34
S73	0	"6466941".pn. and dll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/10 16:34
S74	2	"6466941".pn. and (identifier or id or unique)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/10 17:57
S75	1	"6466941".pn. and bul	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/11 08:49
S76	16	("5335320" "5347629" "5603034" "5760788" "5859637" "6157364" "6259447" "6466941").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/11 08:51
S77	986	server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/04 15:50
S78	128	(server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error) and (message near5 string)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/04 15:49

S79	667	(server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error) and error same (detect\$3 or correct\$3 or analyz\$3 or analysis or fix\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/04 15:51
S80	1	(server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error) and error same (remote\$2 near5 (detect\$3 or correct\$3 or analyz\$3 or analysis or fix\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/04 15:52
S81	18	(server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error) and (simultaneous\$2 near (install\$5 or updat\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/04 15:56
S82	100	(server and (client or workstation or (remote adj terminal)) and updat\$3 and authenticat\$3 and (monitor\$3 or poll\$3) and simultaneous and error) and (log near5 (error or analysis or analyze))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 08:51
S83	10949	(host or server) near5 ((client or terminal or workstation) near5 (log\$4 or record\$3 or database or table))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 08:54
S84	6146	(host or server) near5 ((client or terminal or workstation) near3 (log\$4 or record\$3 or database or table)) and (transmit\$4 or transmission or updat\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 08:57
S85	2601	(host or server) near5 ((client or terminal or workstation) near3 (log\$4 or record\$3 or database or table)) same (transmit\$4 or transmission or updat\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:17

S86	36	(host or server) near5 ((client or terminal or workstation) near3 ((log\$4 or record\$3 or database or table) near5 (error or correct\$3 or analysis or diagnostic or warning))) same (transmit\$4 or transmission or updat\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 13:09
S87	11	("5704031" "5812565" "5930824" "5958062" "5991772" "6065017" "6192484" "6212652" "6279011" "6397309" "6424999").PN.	USPAT	OR	OFF	2003/11/05 09:14
S88	62	"5704031".URPN.	USPAT	OR	OFF	2003/11/05 09:19
S89	2	"6492812".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 13:10
S90	1	"6492812".URPN.	USPAT	OR	OFF	2003/11/05 13:10
S91	21	("4830012" "5280428" "5345176" "5451876" "5498963" "5512826" "5512827" "5514962" "5541513" "5560361" "5657757" "5711300" "5749834" "5810729" "6023635" "6108573" "6166544" "6275035" "6301497" "6362620" "6396266").PN.	USPAT	OR	OFF	2003/11/05 13:10
S92	2	((("4830012" "5280428" "5345176" "5451876" "5498963" "5512826" "5512827" "5514962" "5541513" "5560361" "5657757" "5711300" "5749834" "5810729" "6023635" "6108573" "6166544" "6275035" "6301497" "6362620" "6396266").PN.) and (log\$4 or record\$3 or analysis) same (error or correct\$3 or fault\$3 or recover\$3 or repair\$3 or maintenance or maintain\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 13:16
S93	453893	(log\$4 or record\$3 or analysis) same (error or correct\$3 or fault\$3 or recover\$3 or repair\$3 or maintenance or maintain\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 13:16

S94	296	(extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:17
S95	2601	(host or server) near5 ((client or terminal or workstation) near3 (log\$4 or record\$3 or database or table)) same (transmit\$4 or transmission or updat\$3 or download\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:17
S96	4	((host or server) near5 ((client or terminal or workstation) near3 (log\$4 or record\$3 or database or table)) same (transmit\$4 or transmission or updat\$3 or download\$3)) and ((extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:20
S97	172	((log\$4 or record\$3 or analysis) same (error or correct\$3 or fault\$3 or recover\$3 or repair\$3 or maintenance or maintain\$3)) and ((extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:21
S98	0	((log\$4 or record\$3 or analysis) same (error or correct\$3 or fault\$3 or recover\$3 or repair\$3 or maintenance or maintain\$3)) and ((extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network) and 717/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:21
S99	148	((log\$4 or record\$3 or analysis) same (error or correct\$3 or fault\$3 or recover\$3 or repair\$3 or maintenance or maintain\$3)) and ((extract near3 (image) and analysis) and (install\$3 or updat\$3) and automatic\$4 and network) and updat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:26
S100	8	717/172.ccls. and (error or correct\$3 or fault\$3) same (log\$4 or record\$3 or analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:28

S10 1	32	717/168.ccls. and (error or correct\$3 or fault\$3) same (log\$4 or record\$3 or analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:32
S10 2	23	717/171.ccls. and (error or correct\$3 or fault\$3) same (log\$4 or record\$3 or analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 13:50
S10 3	63326	(client or terminal or workstation) near5 (log\$4 or record\$3 or analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 14:22
S10 4	7380	(client or terminal or workstation) adj (log\$4 or record\$3 or analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 14:22
S10 5	1953	(client or terminal or workstation) adj (log\$4 or record\$3 or analysis) and updat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 14:23
S10 6	1761	(client or terminal or workstation) adj (log\$4 or record\$3 or analysis) and updat\$3 and (error or fault\$3 or correct\$3 or maintain\$3 or maintenance or validation or verify or verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 14:24
S10 7	896	(client or terminal or workstation) adj (log\$4 or record\$3 or analysis) and updat\$3 same (error or fault\$3 or correct\$3 or maintain\$3 or maintenance or validation or verify or verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 14:24
S10 8	65	(client or terminal or workstation) adj (log\$4 or record\$3 or analysis) same updat\$3 same (error or fault\$3 or correct\$3 or maintain\$3 or maintenance or validation or verify or verification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/05 15:31
S10 9	34	"5805897".URPN.	USPAT	OR	OFF	2003/11/05 14:48
S11 0	47	updat\$3 adj workstation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 15:49

S11 1	399	updat\$3 near3 workstation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 15:50
S11 2	330	updat\$3 near3 workstation and (remote\$2 or automatic\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/05 15:50
S11 3	2	"5307354".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/06 10:54
S11 4	10250	(detect\$3 near3 error) same (workstation or client or target or network or remote)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:14
S11 5	124	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:16
S11 6	1	(identify\$3 near3 error) same (detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:17
S11 7	3	(identify\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:19
S11 8	197	((identify\$3 or detect\$3 or indicat\$3 or flag\$4 or discover\$3) near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:32

S11 9	206	((identify\$3 or detect\$3 or indicat\$3 or flag\$4 or discover\$3 or recov\$3) near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:51
S12 0	231	((identify\$3 or detect\$3 or indicat\$3 or flag\$4 or discover\$3 or recov\$3) near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3 or recover\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 09:51
S12 1	2	"6026362".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:32
S12 2	1960	error adj indicator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:33
S12 3	123	(error adj indicator) and ((id or identifying or identification) near3 error) and (correct\$3) and log\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:35
S12 4	41	(error adj indicator) and ((id or identifying or identification) near3 error) and (correct\$3) and log\$4 and (request\$3 near3 (install\$5 or updat\$3 or download\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:48
S12 5	10	("5327550" "5550973" "5568609" "5634037" "5761413" "6014756" "6067634" "6199179" "6381681" "6401223" "2001/0052054").PN.	USPAT	OR	OFF	2004/03/18 10:39
S12 6	433	717/16?.ccls. and (error or fault)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:49
S12 7	355	717/16?.ccls. and (error or fault) and (network or client or workstation or terminal or target)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:50

S12 8	56	717/16?.ccls. and ((error or fault) near3 detect\$3) and (network or client or workstation or terminal or target)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 10:51
S12 9	75	717/16?.ccls. and ((error or fault) near3 (find\$3 or detect\$3 or identify\$3 or identification or discover\$3 or locat\$3)) and (network or client or workstation or terminal or target)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 11:04
S13 0	105	717/17?.ccls. and ((error or fault) near3 (find\$3 or detect\$3 or identify\$3 or identification or discover\$3 or locat\$3)) and (network or client or workstation or terminal or target)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/18 11:05
S13 1	3930009	(communication control system for data communication network).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 16:18
S13 2	2	((communication adj (control adj system)) and (data adj (communication adj network))).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 16:48
S13 3	692	714/2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 16:48
S13 4	28	714/2.ccls. and simultaneous\$2 and log\$4 and ((error or fault) adj detect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/22 17:12
S13 5	86	714/2.ccls. and log\$4 and ((error or fault) adj detect\$3) and (updat\$3 or upgrad\$3 or correct\$3 or adjust\$4 or adapt\$3 or modify or modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/22 17:39
S13 6	14	"5077768".URPN.	USPAT	OR	OFF	2004/03/22 17:18
S13 7	2	714/2.ccls. and log\$4 and ((error or fault) adj detect\$3) and (broadcast\$3 or simultaeous\$2 or ("same" adj time)) near3 (updat\$3 or upgrad\$3 or correct\$3 or adjust\$4 or adapt\$3 or modify or modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:02

S13 8	2	"6105149".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:18
S13 9	2	"5652832".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:33
S14 0	75	"5652832".URPN.	USPAT	OR	OFF	2004/03/23 08:18
S14 1	0	395/???.ccls. and (717/16?/???. ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:34
S14 2	0	371/???.ccls. and (717/16?/???. ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:35
S14 3	689	(error or fault or diagnos\$3 or recover\$3) and (717/16?/???.ccls. or 717/17?.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:36
S14 4	643	(error or fault or diagnos\$3 or recover\$3) and (717/16?/???.ccls. or 717/17?.ccls.) and (network or host or server or client)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:38
S14 5	70	(error or fault or diagnos\$3 or recover\$3) and (717/16?/???.ccls. or 717/17?.ccls.) and (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:55
S14 6	23103	(error or fault or diagnos\$3 or recover\$3) and (updat\$3 or install\$5 ow download\$3 or down-load\$3 or up-dat\$3) and (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:56
S14 7	26184	(error or fault or diagnos\$3 or recover\$3 or correct\$3) and (updat\$3 or install\$5 ow download\$3 or down-load\$3 or up-dat\$3) and (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 15:28

S14 8	2513	(error or fault or diagnos\$3 or recover\$3 or correct\$3) same (updat\$3 or install\$5 ow download\$3 or down-load\$3 or up-dat\$3) same (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:57
S14 9	2490	(error or fault or diagnos\$3 or recover\$3 or correct\$3) same (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) same (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:58
S15 0	534	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) same (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 08:58
S15 1	8	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near5 simultaneous and (network or host or server or client)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:04
S15 2	189	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near5 (network or host or server or client) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:05
S15 3	193	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near5 (network or host or server or client or distributed) and simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:06
S15 4	1	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near5 (client or distributed or workstation or terminal) same simultaneous	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:08

S15 5	856	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near5 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:08
S15 6	608	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near5 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near3 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:08
S15 7	400	(error or fault or diagnos\$3 or recover\$3 or correct\$3) near3 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near3 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:11
S15 8	9	((error or fault or diagnos\$3) and (recover\$3 or correct\$3)) near3 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near3 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:15
S15 9	15	((error or fault or diagnos\$3 or detect\$3) and (recover\$3 or correct\$3 or fix\$3)) near3 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near3 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:16
S16 0	22	((error or fault or diagnos\$3 or detect\$3 or problem) and (recover\$3 or correct\$3 or fix\$3)) near3 (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) near3 (client or distributed or workstation or terminal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 09:18
S16 1	2	"6331776".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 11:06
S16 2	1	"6331776".URPN.	USPAT	OR	OFF	2004/03/23 11:03

S16 3	17	("4830012" "5280428" "5345176" "5451876" "5498963" "5512826" "5514962" "5541513" "5560361" "5657757" "5711300" "5749834" "5810729" "6023635" "6108573" "6166544" "6275035").PN.	USPAT	OR	OFF	2004/03/23 11:03
S16 4	370	medical near5 network\$3 same (modifying or modification or updat\$3 or install\$5 or download\$3 or distribut\$3 or version\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/23 11:08
S16 5	17	("5544661" "5593426" "5626630" "5640953" "5720770" "5752976" "5782878" "5857967" "5897493" "5987519" "5997476" "6004276" "6038469" "6093146" "6141584" "6168563" "6183417").PN.	USPAT	OR	OFF	2004/03/23 11:32
S16 6	21	("3629831" "5319775" "5812780" "5881219" "5961594" "5983001" "RE36444" "6003083" "6014673" "6061725" "6085243" "6101539" "6112015" "6199099" "6237039" "6243832" "6317786" "6377993" "6381641" "6434513" "6502131" "2001/0056483").PN.	USPAT	OR	OFF	2004/03/23 11:49
S16 7	2	"6321348".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 07:37
S16 8	256	714/???and (terminal or workstation or client) near3 (log or notification or message or handling) near3 (error or fault or fail or failure) same (updat\$3 or install\$5 or upgrad\$3 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 08:55
S16 9	9	714/??? and (terminal or workstation or client) near3 (log or notification or message or handling) near3 (error or fault or fail or failure) same (updat\$3 or install\$5 or upgrad\$3 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 08:58

S17 0	285	714/??? and (terminal or workstation or client) near3 (error or fault or fail or failure) same (updat\$3 or install\$5 or upgrad\$3 or correct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 08:59
S17 1	86	714/??? and (terminal or workstation or client) near3 (error or fault or fail or failure) same (updat\$3 or install\$5 or upgrad\$3 or correct\$3) and (error or fault or failure) near3 (log\$4 or message or file or notification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:23
S17 2	122	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (updat\$3 or install\$5 or upgrad\$3 or correct\$3)) and ((error or fault or failure) near3 (log\$4 or message or file or notification or notice or detect\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:26
S17 3	17	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (updat\$3 or install\$5 or upgrad\$3 or correct\$3)) same ((error or fault or failure) near3 (log\$4 or message or file or notification or notice or detect\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:31
S17 4	17	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) same ((error or fault or failure) near3 (log\$4 or message or file or notification or notice or detect\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:37
S17 5	1	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) same (((terminal or workstation or client) near3 detect\$3) near3 (error or fault or failure) same (log\$4 or message or file or notification or notice or detect\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:39

S17 6	1	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) and (((terminal or workstation or client) near3 detect\$3) near5 (error or fault or failure) same (log\$4 or message or file or notification or notice))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:40
S17 7	1	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client or remote) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) and (((terminal or workstation or client) near3 detect\$3) near5 (error or fault or failure) same (log\$4 or message or file or notification or notice))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:41
S17 8	20	(717/168 or 717/169 or 717/17?) and ((terminal or workstation or client or remote) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) and ((terminal or workstation or client) near3 detect\$3) and (error or fault or failure) same (log\$4 or message or file or notification or notice)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:42
S17 9	15	((717/168 or 717/169 or 717/17?) and ((terminal or workstation or client or remote) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) and ((terminal or workstation or client) near3 detect\$3) and (error or fault or failure) same (log\$4 or message or file or notification or notice)) not ((717/168 or 717/169 or 717/17?) and ((terminal or workstation or client) near5 (patch\$3 or updat\$3 or install\$5 or upgrad\$3 or correct\$3)) same ((error or fault or failure) near3 (log\$4 or message or file or notification or notice or detect\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 09:51
S18 0	6	("6226784" "6223345" "6487677").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 13:23

S18 1	146	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3)) not general.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 07:57
S18 2	103	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3)) not general.as. and (updat\$3 or upgrad\$3 or patch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 07:58
S18 3	103	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3)) not general.as. and (updat\$3 or upgrad\$3 or patch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 07:59
S18 4	1	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3)) not general.as. and (updat\$3 or upgrad\$3 or patch\$3) and (medical near imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 08:00
S18 5	1	(detect\$3 near3 error) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3)) not general.as. and (updat\$3 or upgrad\$3 or patch\$3) and (medical near5 imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 08:00
S18 6	8	(detect\$3 near3 (error or fault)) same (workstation or client or target or network or remote) and (simultaneous\$2 near3 (install\$5 or download\$3 or updat\$3 or correct\$3 or upgrad\$3 or patch\$3)) not general.as. and ((medical or diagnostic) near5 imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 08:03
S18 7	100	(detect\$3 near3 (error or fault)) same (workstation or client or target or network or remote) and (install\$5 or download\$3 or updat\$3 or correct\$3 or upgrad\$3 or patch\$3) not general.as. and ((medical or diagnostic) near5 imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 08:04

S18 8	92	S187 not S186	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/20 08:04
S18 9	780	(error or fault or diagnos\$3 or recover\$3 or correct\$3) and (updat\$3 or install\$5 or download\$3 or down-load\$3 or up-dat\$3) and (network or host or server or client or internet) and simultaneous and ((medical or diagnostic) near2 imag\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 15:29
S19 0	7	("6178225" "694531").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/29 16:08
S19 1	4	("6178225" "6094531").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/29 16:08
S19 2	539	(remot\$2 adj monitor\$3) near3 (workstation or client or distributed or terminal or process\$3) and (error or fault or detect\$3 or validat\$3 or verify or verificat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:39
S19 3	405	(remot\$2 adj monitor\$3) near3 (workstation or client or distributed or terminal or process\$3) and (error or fault or detect\$3 or validat\$3 or verify or verificat\$3) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:32
S19 4	170	(remot\$2 adj monitor\$3) near3 (workstation or client or distributed or terminal or process\$3) and (monitor\$3 or watch\$3 or observ\$5) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:32

S19 5	110	(remot\$2 adj monitor\$3) near3 (workstation or client or distributed or terminal or process\$3) and (monitor\$3 or watch\$3 or observ\$5) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) and (medical or xray or imag\$3 or diagnostic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:34
S19 6	0	(remot\$2 adj monitor\$3) near3 (workstation or client or distributed or terminal or process\$3) and (monitor\$3 or watch\$3 or observ\$5) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) and (medical or xray or imag\$3 or diagnostic) and pacs	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:33
S19 7	647	(remot\$2 adj monitor\$3) near3 (medical or xray or imag\$3 or diagnostic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:39
S19 8	43	S192 and S197	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 10:35
S19 9	176	(remot\$2 adj detect\$3) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3 or condition or problem) same (workstation or client or distributed or terminal or process\$3) and (medical or xray or imag\$3 or diagnostic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/30 11:00
S20 0	31	("5333268" "5539877" "5594840" "5680550" "5778170" "5784616").PN. OR ("5964891").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 10:51
S20 1	182	(remot\$2 adj detect\$3) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3 or condition or problem) same (workstation or client or distributed or terminal or process\$3) and (medical or xray or imag\$3 or diagnostic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/30 11:33

S20 2	6	S201 not S199	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/30 11:01
S20 3	5	("4729124" "5068851" "5448722" "5572664").PN. OR ("5778170").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 11:15
S20 4	10	("2779876" "4055765" "4125776" "4782840" "5057690" "5286973" "5325855" "5742060" "6021341").PN. OR ("6495834"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 11:21
S20 5	3	(remot\$2 adj (detect\$3 or find\$3 or discover\$3 or monitor\$3 or debug\$4)) near3 (error or fault or detect\$3 or validat\$3 or verify or verificat\$3 or condition or problem or correct\$3) and (medical or xray or imag\$3 or diagnos\$3) and (717/??? ccls. or 714/??? ccls.) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/30 11:39
S20 6	30	("5168566" "5175855" "5181201" "5309563" "5600782" "5689708" "5838907" "5860010" "5968116" "5968176" "5978912" "5987514" "5987554" "6065053" "6161133" "6182180" "6198722" "6219708" "6243746" "6249885" "6253243" "6275864" "6282568" "6286038" "6308206" "6349333" "6353854" "6363421" "6363422" "6490620").PN. OR ("6922722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 13:25
S20 7	1330	714/4.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 13:26
S20 8	450	714/4.ccls. and (medical or xray or imag\$3 or diagnos\$3) and (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 13:27

S209	203	714/4.ccls. and (medical or xray or imag\$3 or diagnos\$3) same (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 14:13
S210	12	("5490271" "5640505" "5652908" "5655068" "5819019" "5828728" "5909480" "6041356" "6141777" "6148339" "6199172" "6330597").PN. OR ("6665820").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 13:48
S211	8	("20010050610" "20020073173" "20020087503" "5416835" "5452416" "5553303" "6134671" "6564336").PN. OR ("6807543").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 13:59
S212	52	("5452416").URPN.	USPAT	OR	OFF	2005/08/30 14:02
S213	550	(717/16?.ccls. or 717/17?.ccls.) and (medical or xray or imag\$3 or diagnos\$3) same (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) and (error or fault or detect\$3 or validat\$3 or verify or verificat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 14:15
S214	184	(717/16?.ccls. or 717/17?.ccls.) and (medical or xray or imag\$3 or diagnos\$3) same (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) same (error or fault or detect\$3 or validat\$3 or verify or verificat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 14:16
S215	141	(717/16?.ccls. or 717/17?.ccls.) and (medical or xray or imag\$3) same (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) same (error or fault or detect\$3 or validat\$3 or verify or verificat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 14:16
S216	135	(717/16?.ccls. or 717/17?.ccls.) and (medical or xray or imag\$3) same (install\$5 or configur\$5 or integrat\$3 or upgrad\$3 or updat\$3) same (error or fault or detect\$3 or validat\$3 or verify or verificat\$3) and (remot\$3 or distributed or network\$3 or client or server)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/30 14:25



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... computed radiography (CR) and soft copy **picture archiving and communication (PACS)** systems using a ...

GC WEATHERBURN, JG DAVIES - The British Journal of Radiology, 1999 - bjr.birjournals.org

... soft copy **picture archiving and communication** systems (PACS ... forms part of a **picture archiving and commu** ... Image Link computed radiography **system**, FAXIL Evaluation ...

Cited by 4 - [Web Search](#) - e-radiography.net - bjr.birjournals.org - ncbi.nlm.nih.gov

A distributed **picture archiving and communications system** for hospitals using image pre-fetching

GL Reijns - HICSS (3), 1995 - doi.ieeecomputersociety.org

... The **Picture Archiving and Communications Sys- tem (PACS)** is ... 500 Kbytelsec of the workstation **communication in-** terfaces ... Our **system** has a good price/performance ...

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Rule-base structure identification in an adaptive-**network-based fuzzy inference system**

CT Sun - IEEE Transactions on Fuzzy Systems, 1994 - ieeexplore.ieee.org

... Moreover, as we consider the **communication** and storage cost ... a good mean operator for a certain **system**, we can ... can also be introduced into this **picture** based on ...

Cited by 61 - [Web Search](#) - ieeexplore.ieee.org - csa.com

Weighted voting for replicated data

DK Gifford - SOSP, 1979 - portal.acm.org

... transaction because of a server crash, **communication** failure, or ... 5, 7] describe an implemented **system** that has ... the democratic way in which **update** decisions are ...

Cited by 661 - [Web Search](#) - afs.eecs.harvard.edu - www-db.stanford.edu - csalpha.jst.unomaha.edu - [all 9 versions »](#)

Technological Advances in Teleradiology

SC Orphanoudakis, E Kaldoudi, M Tsiknakis - European Journal of Radiology, 1996 - ics.forth.gr

... **Picture archiving and communication** systems (PACS) form the ... Although distributed data **archiving** is essential for ... for various **communication** infrastructures [6 ...

Cited by 6 - [Web Search](#) - ingentaconnect.com - ncbi.nlm.nih.gov - [all 5 versions »](#)

Deployable teleradiology: Bosnia and beyond

BA Levine, K Cleary, SK Mun - IEEE Transactions on Information Technology in Biomedicine, 1998 - ieeexplore.ieee.org

... security and less frustration for the users of the **system**. ... the US military: Past, present, future," in **Picture Archiving and Communication Systems (PACS)** ...

Cited by 2 - [Web Search](#) - ieeexplore.ieee.org - ncbi.nlm.nih.gov - csa.com

CoBase: A scalable and extensible cooperative information **system**

WW Chu, H Yang, K Chiang, M Minock, G Chow, C ... - Journal of Intelligent Information Systems, 1996 - springerlink.com

... because it causes overhead for the database **system**. Although each **update** changes the distribution of data ... answers to the expected relaxation **error** (for example ...

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Storage Intensive Applications in the Distributed Environment

AE Bell, CA San Jose - COMPCON, 1995 - [doi.ieeecs.org](#)

... 3.3 **Picture Archiving** and **Communication** Systems (PACS) A regional ... a wide range of **communication** protocols, to ... picker cycles within the server storage **system**. ...

[Web Search](#) - [doi.ieeecomputersociety.org](#) - [ieeexplore.ieee.org](#) - [portal.acm.org](#) - [all 5 versions »](#)

PACS and Teleradiology in the Department of Defense

DK Lyche, JC Weiser, J Romlein, F Goeringer, S ... - Computer-Based Medical Systems, 1995., Proceedings of the ..., 1995 - [doi.ieeecomputersociety.org](#)

... The technology for **Picture Archiving** and Communications Systems ... is used for reads and **archiving** for remote ... Multiple **communication** links and redundant archives ...

[Web Search](#) - [doi.ieeecs.org](#) - [ieeexplore.ieee.org](#) - [portal.acm.org](#) - [all 5 versions »](#)

A census of Tandem **system** availability between 1985 and 1990

J Gray - IEEE Transactions on Reliability, 1990 - [ieeexplore.ieee.org](#)

... storage and retrieval, database utilities, **archiving** software, transaction ... unavailabli-ty of a single **communication** line, or ... tries to get a **picture** of the ...

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1 [Hierarchical rapid modeling of picture archiving and communication systems using LANNET II.5 and NETWORK II.5](#)

Emil Wirsz, Fred W. Prior, Glenn A. Meredith, Kenneth R. Anderson

 December 1992 **Proceedings of the 24th conference on Winter simulation**

 Full text available: [pdf\(1.05 MB\)](#)

 Additional Information: [full citation](#), [references](#), [index terms](#)

2 [Social trends and product opportunities: Philips' Vision of the Future project](#)

Robert Lambourne, Khodi Feiz, Bertrand Rigot

 March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**

 Full text available: [pdf\(884.96 KB\)](#)

 Additional Information: [full citation](#), [index terms](#)

Keywords: design process, film making, future, industrial design, interaction design, scenario, socio-cultural forecasts

3 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(4.21 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the

desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 Optimal communication algorithms for regular decompositions on the hypercube

G. C. Fox, W. Furmanski

January 1988 **Proceedings of the third conference on Hypercube concurrent computers and applications: Architecture, software, computer systems, and general issues - Volume 1**

Full text available:  pdf(4.81 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We discuss optimal communication and decomposition algorithms for a class of regular problems on concurrent computers with a hypercube topology, using a general technique we call the method of cube geodesics. We address the calculation of various transformations (convolutions, functionals etc.) of data distributed over the hypercube; examples are the Fast Fourier Transform, matrix algorithms, global scalar products and vector sums, sorting. These all involve long distance inter ...

5 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available:  pdf(7.38 MB)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

6 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  pdf(5.14 MB)


Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

7 Special issue on spatial database systems: Management of multidimensional discrete data

Peter Baumann

October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4

Full text available:  pdf(2.30 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Spatial database management involves two main categories of data: vector and raster data. The


former has received a lot of in-depth investigation; the latter still lacks a sound framework. Current DBMSs either regard raster data as pure byte sequences where the DBMS has no knowledge about the underlying semantics, or they do not complement array structures with storage mechanisms suitable for huge arrays, or they are designed as specialized systems with sophisticated imaging functionality, but n ...

Keywords: Multimedia database systems, image database systems, spatial index, tiling

8 Sketchpad a man-machine graphical communication system

I. E. Sutherland

June 1988 **Papers on Twenty-five years of electronic design automation**


Full text available:  pdf(1.86 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

9 Communication in the KSR1 MPP: performance evaluation using synthetic workload experiments

Eric L. Boyd, Edward S. Davidson

July 1994 **Proceedings of the 8th international conference on Supercomputing**

Full text available:  pdf(1.11 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We have developed an automatic technique for evaluating the communication performance of massively parallel processors (MPPs). Both communication latency and the amount of communication are investigated as a function of a few basic parameters that characterize an application workload. Parameter values are captured in an automatically generated sparse matrix that multiplies a dense vector in the synthetic workload. Our approach is capable of explaining the degradation of processor performanc ...

10 Integrated video archive tools

Rune Hjelsvold, Stein Langørgen, Roger Midstraum, Olav Sandstø

January 1995 **Proceedings of the third ACM international conference on Multimedia**

Full text available:  htm(45.77 KB)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: applications, browsing, content-based retrieval, digital libraries, video databases

11 Monitoring distributed systems

Jeffrey Joyce, Greg Lomow, Konrad Slind, Brian Unger

March 1987 **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 2

Full text available:  pdf(2.37 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


The monitoring of distributed systems involves the collection, interpretation, and display of information concerning the interactions among concurrently executing processes. This information and its display can support the debugging, testing, performance evaluation, and dynamic documentation of distributed systems. General problems associated with monitoring are

outlined in this paper, and the architecture of a general purpose, extensible, distributed monitoring system is presented. Three a ...

12 CSCW challenges in large-scale technical projects-----a case study

Kaj Grønbæk, Morten Kyng, Preben Mogensen

December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**


Full text available:  pdf(977.80 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: case study, cooperative design, coordination, hypermedia

13 CSCW challenges: cooperative design in engineering projects

Kaj Grønbæk, Morten Kyng, Preben Mogensen

June 1993 **Communications of the ACM**, Volume 36 Issue 6


Full text available:  pdf(4.38 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CSCW, case study, cooperative design, coordination, hypermedia

14 Modeling for text compression

Timothy Bell, Ian H. Witten, John G. Cleary

December 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 4


Full text available:  pdf(3.54 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The best schemes for text compression use large models to help them predict which characters will come next. The actual next characters are coded with respect to the prediction, resulting in compression of information. Models are best formed adaptively, based on the text seen so far. This paper surveys successful strategies for adaptive modeling that are suitable for use in practical text compression systems. The strategies fall into three main classes: finite-context modeling, i ...

15 Improved parallel and sequential walking tree methods for biological string alignments

Paul Cull, Tai Hsu

January 1999 **Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)**


Full text available:  pdf(189.61 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: dynamic programming, genome alignment, heuristic, inversions, parallel algorithm, sequence alignment, translocations, walking tree

16 Impacts of PACS on radiological work

Nina Lundberg

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Full text available:  pdf(1.80 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper identifies and analyzes the impacts on work practices and interdependencies in radiological work by PACS (Picture Archive and Communication System). It illustrates that when PACS was introduced not only technical devices were integrated, but the people, work practices and organizations as well. In addition, the paper illustrates how detailed workplace studies may identify substantial social changes, emerged from initially insignificant technical solutions that rapidly grows and q ...

Keywords: PACS, artifact, health care, technology impact, work practice

17 The design, implementation, and evaluation of Jade

Martin C. Rinard, Monica S. Lam

May 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 20 Issue 3

Full text available:  pdf(576.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade programmers start with a program written in a standard serial, imperative language, then use Jade constructs to declare how parts of the program access data. The Jade implementation uses this data access information to automatically extract the concurrency and map the application onto the machine at hand. The resulting parallel execution preserves the semantics of the original serial program ...

Keywords: parallel computing, parallel programming languages

18 Time-machine computing: a time-centric approach for the information environment

Jun Rekimoto

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Full text available:  pdf(863.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the concept of Time-Machine Computing (TMC), a time-centric approach to organizing information on computers. A system based on Time-Machine Computing allows a user to visit the past and the future states of computers. When a user needs to refer to a document that he/she was working on at some other time, he/she can travel in the time dimension and the system restores the computer state at that time. Since the user's activities on the system are automati ...

Keywords: desktop environment, document management, information visualization, inter-application communication, time traveling, time-machine computing

19

The effects of communication parameters on end performance of shared virtual memory clusters

Angelos Bilas, Jaswinder Pal Singh

November 1997 **Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available:  [pdf\(201.86 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


Recently there has been a lot of effort in providing cost-effective Shared Memory systems by employing software only solutions on clusters of high-end workstations coupled with high-bandwidth, low-latency commodity networks. Much of the work so far has focused on improving protocols, and there has been some work on restructuring applications to perform better on SVM systems. The result of this progress has been the promise for good performance on a range of applications at least in the 16-32 pro ...

Keywords: bandwidth, clustering, communication parameters, distributed memory, host overhead, interrupt cost, latency, network occupancy, shared memory

20 [An overview of the design of Distributed Oz](#)

Seif Haridi, Peter Van Roy, Gert Smolka

July 1997 **Proceedings of the second international symposium on Parallel symbolic computation**

Full text available:  [pdf\(1.89 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(4.21 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [Performance and dependability evaluation of scalable massively parallel computer systems with conjoint simulation](#)

Axel Hein, Mario Dal Cin

 October 1998 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 8 Issue 4

 Full text available: [pdf\(501.59 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Computer systems are becoming more and more a part of our daily life; business and industry rely on their service, and the health of human beings depends on their correct functioning. Computer systems used for critical tasks have to be carefully designed and tested during the early design stage, the prototype phase, and their operational life. Methods and tools are required to support and facilitate this vital task. In this article, we tackle the issue of system-level performance and depen ...


Keywords: fault-tolerant and large-scale computer systems, hierarchical model design, object-oriented modeling, process-based simulation, timed Petri nets

3 Maintaining pedagogy while implementing new technology: the ICONS project

Elizabeth L. Blake, Rosamaria S. Morales

November 1999 **Proceedings of the 27th annual ACM SIGUCCS conference on User services:**

Mile high expectations


Full text available:  pdf(108.55 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

4 A management system for a PACS network in a hospital environment

Viviane Jonckers, B. Criel

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  pdf(1.41 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The paper reports on a network management system for a Picture Archiving and Communication System (PACS) in a hospital environment. The size of a typical data transfer in this environment is several orders of magnitude larger than a typical data transfer in a local area computer network. To ensure reasonable response times to the system's users, it is necessary to sequentialise the image traffic on the PACS network. Knowledge about patient flow, radiologist flow, and image flow which is ava ...

5 Distributed data and immersive collaboration

Daniel A. Reed, Roscoe C. Giles, Charles E. Catlett

November 1997 **Communications of the ACM**, Volume 40 Issue 11


Full text available:  pdf(1.36 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

6 MessageWorld: a new approach to facilitating asynchronous group communication

Daniel E. Rose, Jeremy J. Bornstein, Kevin Tiene

December 1995 **Proceedings of the fourth international conference on Information and knowledge management**


Full text available:  pdf(1.04 MB)

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7 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

Full text available:  pdf(2.54 MB)

Additional Information: [full citation](#)

8 Workshop on compositional software architectures: workshop report

May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Full text available: [pdf\(2.91 MB\)](#) Additional Information: [full citation](#), [index terms](#)

9 [Collaborative multimedia scientific design in SHASTRA](#)

Vinod Anupam, Chandrajit L. Bajaj

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available: [pdf\(294.05 KB\)](#) [ps \(96.77 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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Donald P. Brutzman, Michael R. Macedonia, Michael J. Zyda

January 1995 **Proceedings of the first symposium on Virtual reality modeling language**

Full text available: [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 [What to look for in a workstation](#)

C. Janton, K. W. Watkins

October 1989 **Proceedings of the 17th annual ACM SIGUCCS conference on User Services**

Full text available: [pdf\(976.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

An overwhelming amount of information about new technology is flooding the computing community on many fronts. The rate of change in available products and features makes decisions about acquiring computing technology a large and complex task, whether the equipment in question is a supercomputer or a workstation. This discussion is addressed to those shopping for workstations, who often face the particular challenge of combining in one person the roles of user, buyer, and support technician ...

12 [Studying long-term system use](#)

Judy Kay, Richard C. Thomas

July 1995 **Communications of the ACM**, Volume 38 Issue 7

Full text available: [pdf\(389.77 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 [A personal view of the personal work station: some firsts in the Fifties](#)

Douglas Ross


January 1986 **Proceedings of the ACM Conference on The history of personal workstations**

Full text available: [pdf\(4.26 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

14 [Commercial applications of natural language processing](#)

Kenneth W. Church, Lisa F. Rau

November 1995 **Communications of the ACM**, Volume 38 Issue 11


Full text available:  pdf(314.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Vast quantities of text are becoming available in electronic form, ranging from published documents (e.g., electronic dictionaries, encyclopedias, libraries and archives for information retrieval services), to private databases (e.g., marketing information, legal records, medical histories), to personal email and faxes. Online information services are reaching mainstream computer users. There were over 15 million Internet users in 1993, and projections are for 30 million in 1997. With media ...

15 [Towards a design methodology for adaptive applications](#)

Malcolm McIlhagga, Ann Light, Ian Wakeman


October 1998 **Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking**

Full text available:  pdf(1.29 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 [Providing information technology services at Queen's: a task-oriented approach](#)


Stan Yagi

November 1993 **Proceedings of the 21st annual ACM SIGUCCS conference on User services**

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [index terms](#)

17 [Risks to the public in computers and related systems](#)


July 1997 **ACM SIGSOFT Software Engineering Notes**, Volume 22 Issue 4

Full text available:  pdf(946.41 KB) Additional Information: [full citation](#), [index terms](#)

18 [Illustrative risks to the public in the use of computer systems and related technology](#)

Peter G. Neumann

January 1992 **ACM SIGSOFT Software Engineering Notes**, Volume 17 Issue 1

Full text available:  pdf(1.65 MB) Additional Information: [full citation](#), [citations](#), [index terms](#)

19 [Improving and managing multimedia performance over TCP-IP nets](#)

Nathan J. Muller

December 1998 **International Journal of Network Management**, Volume 8 Issue 6

Full text available:  pdf(338.34 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


The TCP-IP-based Internet and, consequently corporate Intranets, were not designed for multimedia traffic. This article discusses the several ways of improving multimedia performance,

finding that data compression techniques are no longer the most important factor. © 1998 John Wiley & Sons, Ltd.

20 In search of information in visual media

Amarnath Gupta, Simone Santini, Ramesh Jain

December 1997 **Communications of the ACM**, Volume 40 Issue 12

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1 [XMovie: architecture and implementation of a distributed movie system](#)

Ralf Keller, Wolfgang Effelsberg, Bernd Lamparter

October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4Full text available: [pdf\(1.91 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a system for storing, transmitting, and presenting digital movies in a computer network. The hardware used in the system is standard hardware, as found in typical workstations today; no special hardware is required, but if available it can be used to provide better performance. The XMovie system has several innovative features. First, it contains a new algorithm for the gradual adaptation of the color lookup table during the presentation of the movie to ensure optimal color qual ...

Keywords: digital video, distributed multimedia system, software motion picture, transmission protocol

2 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren


November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**Full text available: [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 [Sketchpad a man-machine graphical communication system](#)

I. E. Sutherland

June 1988 **Papers on Twenty-five years of electronic design automation**


Full text available:  [pdf\(1.86 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

4 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available:  [pdf\(7.38 MB\)](#)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

5 NetSerf: using semantic knowledge to find Internet information archives

Anil S. Chakravarthy, Kenneth B. Haase

July 1995 **Proceedings of the 18th annual international ACM SIGIR conference on Research and development in information retrieval**


Full text available:  [pdf\(785.34 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

6 A Multimedia Enhanced CSCW Teleservice for Wide Area Cooperative Authoring of Multimedia Documents

Heiko Thimm

December 1994 **ACM SIGOIS Bulletin**, Volume 15 Issue 2


Full text available:  [pdf\(872.72 KB\)](#)

Additional Information: [full citation](#)

7 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  [pdf\(5.14 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

8 Impacts of PACS on radiological work

Nina Lundberg

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

Full text available:  pdf(1.80 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This paper identifies and analyzes the impacts on work practices and interdependencies in radiological work by PACS (Picture Archive and Communication System). It illustrates that when PACS was introduced not only technical devices were integrated, but the people, work practices and organizations as well. In addition, the paper illustrates how detailed workplace studies may identify substantial social changes, emerged from initially insignificant technical solutions that rapidly grows and q ...

Keywords: PACS, artifact, health care, technology impact, work practice

9 Time-machine computing: a time-centric approach for the information environment

Jun Rekimoto

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Full text available:  pdf(863.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



This paper describes the concept of Time-Machine Computing (TMC), a time-centric approach to organizing information on computers. A system based on Time-Machine Computing allows a user to visit the past and the future states of computers. When a user needs to refer to a document that he/she was working on at some other time, he/she can travel in the time dimension and the system restores the computer state at that time. Since the user's activities on the system are automati ...

Keywords: desktop environment, document management, information visualization, inter-application communication, time traveling, time-machine computing

10 Media scaling for audiovisual communication with the Heidelberg transport system

Luca Delgrossi, Christian Halstrick, Dietmar Hehmann, Ralf Guido Herrtwich, Oliver Krone, Jochen Sandvoss, Carsten Vogt


September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available:  pdf(89.28 KB)  ps (145.16 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Special issue: AI in engineering

D. Sriram, R. Joobbani

January 1985 **ACM SIGART Bulletin**, Issue 91


Full text available:  pdf(8.79 MB) Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

12 Performance and dependability evaluation of scalable massively parallel computer systems with conjoint simulation

Axel Hein, Mario Dal Cin

October 1998 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 8 Issue 4

Full text available:  pdf(501.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Computer systems are becoming more and more a part of our daily life; business and industry rely on their service, and the health of human beings depends on their correct functioning. Computer systems used for critical tasks have to be carefully designed and tested during the early design stage, the prototype phase, and their operational life. Methods and tools are required to support and facilitate this vital task. In this article, we tackle the issue of system-level performance and dependability ...

Keywords: fault-tolerant and large-scale computer systems, hierarchical model design, object-oriented modeling, process-based simulation, timed Petri nets

13 The design, implementation, and evaluation of Jade

Martin C. Rinard, Monica S. Lam

May 1998 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 20 Issue 3

Full text available:  pdf(576.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade programmers start with a program written in a standard serial, imperative language, then use Jade constructs to declare how parts of the program access data. The Jade implementation uses this data access information to automatically extract the concurrency and map the application onto the machine at hand. The resulting parallel execution preserves the semantics of the original serial program ...

Keywords: parallel computing, parallel programming languages

14 The personal presence system—a wide area network resource for the real time composition of multipoint multimedia communications

D. Boyer, M. Lukacs

October 1994 **Proceedings of the second ACM international conference on Multimedia**


Full text available:  pdf(927.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Personal Presence System (PPS) is an experimental prototype platform to support advanced Broadband applications including multimedia conferencing and distance learning. The PPS supports user presentation control of advanced network elements (multimedia bridges). The multimedia bridges are shared network resources which are designed for deployment in proximity to other switching and transcoding resources. The multimedia bridge provides for a single point of contact for each user so that ...

15 A multimedia system for authoring motion pictures

Ronald Baecker, Alan J. Rosenthal, Naomi Friedlander, Eric Smith, Andrew Cohen


February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

Full text available:  [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Data compression

Debra A. Lelewer, Daniel S. Hirschberg

September 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 3


Full text available:  [pdf\(3.61 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper surveys a variety of data compression methods spanning almost 40 years of research, from the work of Shannon, Fano, and Huffman in the late 1940s to a technique developed in 1986. The aim of data compression is to reduce redundancy in stored or communicated data, thus increasing effective data density. Data compression has important application in the areas of file storage and distributed systems. Concepts from information theory as they relate to the goals and evaluation of data ...

17 Monitoring distributed systems

Jeffrey Joyce, Greg Lomow, Konrad Slind, Brian Unger

March 1987 **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 2


Full text available:  [pdf\(2.37 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The monitoring of distributed systems involves the collection, interpretation, and display of information concerning the interactions among concurrently executing processes. This information and its display can support the debugging, testing, performance evaluation, and dynamic documentation of distributed systems. General problems associated with monitoring are outlined in this paper, and the architecture of a general purpose, extensible, distributed monitoring system is presented. Three a ...

18 Image transfer: an end-to-end design

Charles J. Turner, Larry L. Peterson

October 1992 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Communications architectures & protocols**, Volume 22 Issue 4


Full text available:  [pdf\(1.23 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The transfer of digital images between data archives and scientific workstations is likely to consume a significant amount of network bandwidth in the very near future. This paper examines the image transfer problem from an end-to-end perspective, that is, it describes a complete image transfer protocol that takes into account both the nature of digital imagery and the properties of the underlying network. Specifically, it describes a simple algorithm for encoding images into network packet ...

19 A design process for embedding knowledge management in everyday work

Marcel Hoffmann, Kai-Uwe Loser, Thomas Walter, Thomas Herrmann

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting**


group workFull text available:  pdf(1.73 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Knowledge Management Software must be embedded in processes of knowledge workers' everyday practice. In order to attain a seamless design, regarding the special qualities and requirements of knowledge work, detailed studies of the existing work processes and analysis of the used knowledge are necessary. Participation of the knowledge owners and future users as an important factor for success of knowledge management systems. In this paper we describe characteristics of knowledge work motivat ...

Keywords: knowledge management, knowledge work, organizational learning, organizational memory systems, participatory design

20 [Commercial applications of natural language processing](#)

Kenneth W. Church, Lisa F. Rau

November 1995 **Communications of the ACM**, Volume 38 Issue 11Full text available:  pdf(314.22 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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